

Martin J Snowden

List of Publications by Year in descending order

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93
papers

4,172
citations

147801

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118850

62
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95
all docs

95
docs citations

95
times ranked

4173
citing authors

#	ARTICLE	IF	CITATIONS
1	Colloidal copolymer microgels of N-isopropylacrylamide and acrylic acid: pH, ionic strength and temperature effects. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 5013.	1.7	278
2	The preparation, characterisation and applications of colloidal microgels. <i>Advances in Colloid and Interface Science</i> , 1995, 54, 73-91.	14.7	250
3	Adsorption of Lead Ions onto N-Isopropylacrylamide and Acrylic Acid Copolymer Microgels. <i>Journal of Colloid and Interface Science</i> , 1997, 190, 198-205.	9.4	228
4	Microgel applications and commercial considerations. <i>Colloid and Polymer Science</i> , 2011, 289, 625-646.	2.1	186
5	A Review of Hot-Melt Extrusion: Process Technology to Pharmaceutical Products. <i>ISRN Pharmaceutics</i> , 2012, 2012, 1-9.	1.0	149
6	The use of colloidal microgels as a (trans)dermal drug delivery system. <i>International Journal of Pharmaceutics</i> , 2005, 292, 137-147.	5.2	147
7	Heteroaggregation in colloidal dispersions. <i>Advances in Colloid and Interface Science</i> , 1995, 62, 109-136.	14.7	131
8	Drug-polymer intermolecular interactions in hot-melt extruded solid dispersions. <i>International Journal of Pharmaceutics</i> , 2013, 443, 199-208.	5.2	128
9	A New Application for Microgels: A Novel Method for the Synthesis of Spherical Particles of the Y2O3:Eu Phosphor Using a Copolymer Microgel of NIPAM and Acrylic Acid. <i>Langmuir</i> , 2001, 17, 7145-7149.	3.5	127
10	Physicochemical Properties of Poly(N-isopropylacrylamide-co-4-vinylpyridine) Cationic Polyelectrolyte Colloidal Microgels. <i>Langmuir</i> , 2003, 19, 585-590.	3.5	123
11	Depletion flocculation in colloidal dispersions. <i>Advances in Colloid and Interface Science</i> , 1996, 68, 57-96.	14.7	122
12	Use of colloidal microgels for the absorption of heavy metal and other ions from aqueous solution. <i>Analyst</i> , 1993, 118, 1367.	3.5	89
13	Effect of Sodium Chloride upon Micellization and Phase Separation Transitions in Aqueous Solutions of Triblock Copolymers: A High-Sensitivity Differential Scanning Calorimetry Study. <i>Langmuir</i> , 1998, 14, 2004-2010.	3.5	89
14	Improving Quantitative Measurements for the Evaporative Light Scattering Detector. <i>Chromatographia</i> , 2004, 60, 625-633.	1.3	86
15	The use of microemulsion electrokinetic chromatography in pharmaceutical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1998, 18, 785-797.	2.8	85
16	Calorimetric Investigation of the Influence of Cross-Linker Concentration on the Volume Phase Transition of Poly(N-isopropylacrylamide) Colloidal Microgels. <i>Langmuir</i> , 2003, 19, 3202-3211.	3.5	71
17	Predictive Milling of Pharmaceutical Materials Using Nanoindentation of Single Crystals. <i>Organic Process Research and Development</i> , 2004, 8, 674-679.	2.7	71
18	Continuous cocrystallisation of carbamazepine and trans-cinnamic acid via melt extrusion processing. <i>CrystEngComm</i> , 2014, 16, 3573-3583.	2.6	65

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19	Flocculation of silica particles by adsorbing and non-adsorbing polymers. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991, 87, 2201.	1.7	60
20	A comparison of Raman chemical images produced by univariate and multivariate data processing—a simulation with an example from pharmaceutical practice. <i>Analyst, The</i> , 2004, 129, 1001-1007.	3.5	60
21	A review on the taste masking of bitter APIs: hot-melt extrusion (HME) evaluation. <i>Drug Development and Industrial Pharmacy</i> , 2014, 40, 145-156.	2.0	57
22	Continuous Cocrystallization for Dissolution Rate Optimization of a Poorly Water-Soluble Drug. <i>Crystal Growth and Design</i> , 2014, 14, 189-198.	3.0	53
23	The effect of surface modification on the stability characteristics of poly(N-isopropylacrylamide) latices under Brownian and flow conditions. <i>Colloid and Polymer Science</i> , 1994, 272, 1273-1280.	2.1	50
24	Implementation of transmission NIR as a PAT tool for monitoring drug transformation during HME processing. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 96, 106-116.	4.3	50
25	Characterisation of the aggregation behaviour in a salmeterol and fluticasone propionate inhalation aerosol system. <i>International Journal of Pharmaceutics</i> , 2001, 221, 165-174.	5.2	48
26	The effect of pH and concentration upon aggregation transitions in aqueous solutions of poloxamine T701. <i>International Journal of Pharmaceutics</i> , 2001, 229, 57-66.	5.2	44
27	Novel Gelling Behavior of Poly(N-isopropylacrylamide-co-vinyl laurate) Microgel Dispersions. <i>Langmuir</i> , 2002, 18, 6025-6030.	3.5	41
28	Functional characteristics of gum arabic. <i>Food Hydrocolloids</i> , 1987, 1, 291-300.	10.7	39
29	Applications of DNP-NMR for the measurement of heteronuclear T1 relaxation times. <i>Journal of Magnetic Resonance</i> , 2007, 187, 216-224.	2.1	36
30	Elemental content of commercial “ready to-feed” poultry and fish based infant foods in the UK. <i>Food Chemistry</i> , 2012, 135, 2796-2801.	8.2	36
31	The preparation and physico-chemical properties of poly(N-ethylacrylamide) microgels. <i>Polymer</i> , 1998, 39, 1207-1212.	3.8	35
32	Novel microgel-particle colloids: the detailed characterisation of the layer structure and chain topology of silica:poly(NIPAM) core-shell particles. <i>Polymer</i> , 2000, 41, 7133-7137.	3.8	33
33	Raman line mapping as a fast method for analyzing pharmaceutical bead formulations. <i>Analyst, The</i> , 2005, 130, 1530.	3.5	33
34	One-step continuous extrusion process for the manufacturing of solid dispersions. <i>International Journal of Pharmaceutics</i> , 2015, 496, 42-51.	5.2	33
35	Phase Transition Properties of Poly(Ethylene Oxide) in Aqueous Solutions of Sodium Chloride. <i>Langmuir</i> , 2001, 17, 4482-4485.	3.5	32
36	Vibrational spectroscopy and DFT calculations of di-amino acid cyclic peptides. Part I: cyclo(Gly-Ala), cyclo(La-Ala-La-Ala) and cyclo(La-Ala-Gly) in the solid state and in aqueous solution. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 1478-1497.	2.5	32

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37	Faraday communications. Microwave synthesis of the colloidal poly(N-isopropylacrylamide) microgel system. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994, 90, 1999.	1.7	31
38	PGSE-NMR studies of solvent diffusion in poly(N-isopropylacrylamide) colloidal microgels. <i>Colloid and Polymer Science</i> , 1995, 273, 405-411.	2.1	31
39	The physico-chemical properties of salmeterol and fluticasone propionate in different solvent environments. <i>International Journal of Pharmaceutics</i> , 2000, 200, 279-288.	5.2	31
40	Heteroaggregation studies of mixed cationic co-polymer/anionic homopolymer microgel dispersions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 233, 25-38.	4.7	31
41	A Comparison of Catalysts to Promote Imidazolide Couplings Including the Identification of 2-Hydroxy-5-nitropyridine as a New, Safe, and Effective Catalyst. <i>Organic Process Research and Development</i> , 2005, 9, 956-961.	2.7	31
42	Theoretical Prediction of the Enantiomeric Excess in Asymmetric Catalysis. An Alignment-Independent Molecular Interaction Field Based Approach. <i>Journal of Organic Chemistry</i> , 2005, 70, 9025-9027.	3.2	31
43	Simultaneous determination of riboflavin and pyridoxine by UHPLC/LC-MS in UK commercial infant meal food products. <i>Food Chemistry</i> , 2012, 135, 2743-2749.	8.2	31
44	Synthesis and properties of polyelectrolyte microgel particles. <i>Advances in Colloid and Interface Science</i> , 2010, 158, 15-20.	14.7	30
45	Colloidal microgel systems: phase transition properties in aqueous solution of poly(N-isopropylacrylamide). <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 1803.	2.0	29
46	Semi-quantitative trace analysis of nuclear fast red by surface enhanced resonance Raman scattering. <i>Analytica Chimica Acta</i> , 2001, 450, 115-122.	5.4	29
47	Practical solvent system selection for counter-current separation of pharmaceutical compounds. <i>Journal of Chromatography A</i> , 2008, 1207, 190-192.	3.7	28
48	The synthesis of immobilised chiral dendrimers. <i>New Journal of Chemistry</i> , 2001, 25, 807-818.	2.8	27
49	The use of poly(N-isopropylacrylamide) lattices as novel release systems. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 803.	2.0	26
50	Solid-state flurbiprofen and methyl- β -cyclodextrin inclusion complexes prepared using a single-step, organic solvent-free supercritical fluid process. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 104, 164-170.	4.3	26
51	Effects of crystal habit on the sticking propensity of ibuprofen—A case study. <i>International Journal of Pharmaceutics</i> , 2017, 531, 266-275.	5.2	26
52	Phase Separation of Concentrated Aqueous Silica Dispersions in the Presence of Nonadsorbed Polyelectrolytes. <i>Journal of Colloid and Interface Science</i> , 1994, 166, 160-167.	9.4	25
53	Continuous twin-screw granulation for enhancing the dissolution of poorly water soluble drug. <i>International Journal of Pharmaceutics</i> , 2015, 496, 52-62.	5.2	25
54	Effect of SBE7- β -cyclodextrin complexation on carbamazepine release from sustained release beads. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2005, 60, 73-80.	4.3	24

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55	Prediction of Polymorphic Transformations of Paracetamol in Solid Dispersions. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 1819-1828.	3.3	24
56	The interaction of sodium dodecyl sulphate with colloidal microgel particles. <i>European Polymer Journal</i> , 2000, 36, 1355-1364.	5.4	23
57	Analyzing Raman Maps of Pharmaceutical Products by Sample-Sample Two-Dimensional Correlation. <i>Applied Spectroscopy</i> , 2005, 59, 630-638.	2.2	22
58	Studies of intermolecular interactions in solid dispersions using advanced surface chemical analysis. <i>RSC Advances</i> , 2015, 5, 74212-74219.	3.6	22
59	Characterization of thermo and pH responsive NIPAM based microgels and their membrane blocking potential. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 428, 53-59.	4.7	21
60	Identification of New Catalysts to Promote Imidazolid Couplings and Optimisation of Reaction Conditions Using Kinetic Modelling. <i>Organic Process Research and Development</i> , 2004, 8, 1054-1058.	2.7	20
61	An in-vivo and in-vitro taste masking evaluation of bitter melt-extruded drugs. <i>Journal of Pharmacy and Pharmacology</i> , 2014, 66, 323-337.	2.4	20
62	Taste masked thin films printed by jet dispensing. <i>International Journal of Pharmaceutics</i> , 2015, 494, 619-622.	5.2	20
63	Isothermal titration calorimetric studies of the acid-base properties of poly(N-isopropylacrylamide-co-4-vinylpyridine) cationic polyelectrolyte colloidal microgels. <i>Thermochimica Acta</i> , 2004, 414, 47-52.	2.7	18
64	Diclofenac sodium sustained release hot melt extruded lipid matrices. <i>Pharmaceutical Development and Technology</i> , 2014, 19, 531-538.	2.4	18
65	Controlled release of microencapsulated docosahexaenoic acid (DHA) by spray-drying processing. <i>Food Chemistry</i> , 2019, 286, 368-375.	8.2	17
66	Measurement of the Interaction Forces between Poly(N-isopropylacrylamide-co-acrylic acid) Microgel and Silica Surfaces by Colloid Probe Microscopy. <i>Langmuir</i> , 2002, 18, 2089-2095.	3.5	16
67	Vibrational spectroscopy and crystal structure analysis of two polymorphs of the di-amino acid peptide cyclo(Glu-Glu). <i>Journal of Raman Spectroscopy</i> , 2010, 41, 288-302.	2.5	16
68	Accuracy vs Time Dilemma on the Prediction of NMR Chemical Shifts: A Case Study (Chloropyrimidines). <i>Journal of Organic Chemistry</i> , 2006, 71, 3103-3110.	3.2	15
69	A quality by design (QbD) twin-Screw extrusion wet granulation approach for processing water insoluble drugs. <i>International Journal of Pharmaceutics</i> , 2017, 526, 496-505.	5.2	14
70	Kinetic Data by Nonisothermal Reaction Calorimetry: A Model-Assisted Calorimetric Evaluation. <i>Organic Process Research and Development</i> , 2007, 11, 25-29.	2.7	13
71	Co-acquisition of hyperpolarised ¹³ C and ¹⁵ N NMR spectra. <i>Magnetic Resonance in Chemistry</i> , 2007, 45, 1018-1021.	1.9	13
72	Commercial 'ready-to-feed'™ infant foods in the UK: macro-nutrient content and composition. <i>Maternal and Child Nutrition</i> , 2015, 11, 202-214.	3.0	13

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73	Synthesis of some mixed seven-coordinate complexes of the type $[M_2(CO)_3L_2]^{2-}$ (M = Mo or W; L =) $Tj ETQq1$ 1 0.784314 $rgBT / Over$ 2.4 12	2.4	12
74	Effect of Pressure on the Melting Point of Pluronics in Pressurized Carbon Dioxide. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 10820-10825.	3.7	12
75	The use of poly (N -isopropylacrylamide) microgels as a multi-functional processing aid for aqueous alumina suspensions. <i>Journal of the European Ceramic Society</i> , 2000, 20, 1707-1716.	5.7	11
76	Swelling of cationic polyelectrolyte colloidal microgels: Thermodynamic considerations. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 262, 76-80.	4.7	11
77	Rapid, Accurate and Precise Quantitative Drug Analysis: Comparing Liquid Chromatography Tandem Mass Spectrometry and Chip-Based Nanoelectrospray Ionisation Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2005, 11, 393-402.	1.0	10
78	Deconvolution of Scanning Calorimetric Signals Obtained for Aqueous Mixtures of Poly(Oxypropylene) Oligomers. <i>Journal of Physical Chemistry B</i> , 1997, 101, 10226-10232.	2.6	9
79	Identification and deconvolution of dissociation and aggregation transitions during thermally induced micellisation in aqueous solutions of ethylene oxide- α -propylene oxide- β -ethylene oxide block copolymers. <i>Thermochimica Acta</i> , 2000, 359, 29-36.	2.7	9
80	Investigation of the Potential of the Dissolution Dynamic Nuclear Polarization Method for General Sensitivity Enhancement in Small-Molecule NMR Spectroscopy. <i>Applied Magnetic Resonance</i> , 2008, 34, 453-460.	1.2	9
81	Semi-quantitative analysis of the monomer composition in co-polymer microgels using solid state Raman and NMR spectroscopy. <i>Analyst, The</i> , 2009, 134, 1366.	3.5	8
82	Study of the Effect of Pressure on Melting Behavior of Saturated Fatty Acids in Liquid or Supercritical Carbon Dioxide. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 1861-1866.	1.9	8
83	Formation of a Bile Salt-Drug Hydrogel to Predict Human Intestinal Absorption. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 279-287.	3.3	8
84	The preparation and spectral characterisation of vinylferrocene- α -styrene copolymer latexes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 186, 221-228.	4.7	6
85	Preparation of SMART wound dressings based on colloidal microgels and textile fibres. , 2006, 6413, 211.		6
86	The development of a novel smart material based on colloidal microgels and cotton. <i>Advances in Colloid and Interface Science</i> , 2018, 256, 193-202.	14.7	4
87	Quantitative analysis of the calorimetric parameters associated with the temperature induced aggregation of aqueous solutions of polyoxypropylene. <i>Thermochimica Acta</i> , 2003, 400, 21-28.	2.7	3
88	Neutral, cationic and dicationic seven-coordinate complexes of molybdenum(II) and tungsten(II) containing mono- and bidentate nitrogen donor ligands. <i>Transition Metal Chemistry</i> , 1990, 15, 71-74.	1.4	2
89	Deposition of fluorescent NIPAM-based nanoparticles on solid surfaces: Quantitative analysis and the factors affecting it. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 457, 107-115.	4.7	2
90	Monitoring real time polymorphic transformation of sulfanilamide by diffuse reflectance visible spectroscopy. <i>Journal of Pharmaceutical Analysis</i> , 2016, 6, 179-183.	5.3	2

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91	The use of colloidal microgels for the controlled delivery of proteins and peptides. , 2006, 6413, 219.		0
92	Microgels from Smart Polymers. , 2007, , 137-175.		0
93	Smart Polymers: Microgels from. , 0, , 7425-7444.		0